

DETAILED ACTION

In response to RCE/Amendments/Remarks filed 1/15/2009 and telephone interviewed on 03/12/2009, the examiner's amendment was authorized by attorney of record Tatiana Rossin, Attorney for Applicants.

The Specification is currently amended.

Claims 1, 33-64 and 66-77 are currently amended.

Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

EXAMINER'S AMENDMENT

The application has been amended as follows:

In the Specification:

- Please replace paragraph [0026] with the following new paragraph:

A machine-readable medium includes any mechanism for storing or transmitting information in a form readable by a machine (e.g., a computer). For example, a machine-readable medium includes read only memory ("ROM"); random access memory ("RAM"); magnetic disk storage media; optical storage media; flash memory devices; ~~electrical, optical, acoustical or other form of propagated signals (e.g., carrier waves, infrared signals, digital signals, etc.);~~ etc.

In the Claims:

➤ Please replace the claims with the following claim set:

1. (Currently Amended) A computer-implemented method comprising:

scanning a coversheet having an overview of a collection;

receiving an image of ~~[[an]] the~~ overview of ~~[[a]] the~~ collection that comprises a first plurality of indication areas associated with a plurality of documents and a second plurality of indication areas associated with a plurality of actions, wherein the plurality of actions includes printing, faxing, sending by electronic mail, and grouping;

identifying at least one action from the plurality of actions set forth in the image;

identifying at least one document from the plurality of documents for the at least one action identified from the plurality of actions, wherein the identifying the at least one action from the plurality of actions set forth in the image is performed based on the second plurality of the indication areas in the image, the identifying the at least one document from the plurality of documents is performed based on the first plurality of the indication areas in the image, wherein the at least one action from the plurality of actions and the at least one document from the plurality of documents are identified by scanning the image; and

performing the at least one action on the at least one document in response to the identifying the at least one action from the fourth plurality of actions set forth in the image and the identifying the at least one document from the third plurality of documents from the image.

2. (Original) The method defined in Claim 1 wherein identifying the at least one document comprises:

identifying a location on the image of at least one indication area having a mark therein, the at least one indication area being associated with the at least one document; and

identifying the at least one document based on the location of the at least one indication area having the mark therein.

3. (Previously Presented) The method defined in Claim 2 wherein the at least one indication area comprises one of the first plurality of check boxes in the image, wherein each of the first plurality of check boxes is associated with one of a plurality of graphics in the image, wherein each of the plurality of graphics is associated with one or more documents.

4. (Original) The method of claim 2, wherein the collection overview comprises a plurality of representations of documents, and wherein identifying at least one document based on the location of the at least one indication area comprises identifying the at least one document corresponding to a document representation indicated by the mark in the at least one indication area.

5. (Original) The method of claim 2, wherein the collection overview comprises a plurality of representations of documents; and further

wherein identifying the at least one document based on the location of the at least one indication area having the mark therein comprises:

determining a coordinate location for the at least one indication area having the mark therein;

determining a coordinate location for at least one of the document representations; and

identifying a first document by comparing the coordinate location for at least one indication area having the mark therein with the coordinate location for the at least one document representation.

6. (Original) The method defined in Claim 2 wherein each of the at least one indication area comprises a check box.

7. (Original) The method defined in Claim 2 wherein the indication area is located on top of a portion of a graphic representing at least one document in a collection.

8. (Original) The method defined in Claim 1 wherein the image includes a machine readable pointer to identify the collection.

9. (Original) The method defined in Claim 8 wherein the machine readable pointer comprises a 2-D barcode.

10. (Original) The method defined in Claim 1 wherein receiving an image of an overview of the collection comprises capturing an image of the sheet and identifying at least one document by reading an RFID tag embedded in the sheet, the data on the RFID tag identifying the collection containing a document.

11. (Original) The method defined in Claim 1 further comprising scanning a sheet having an identifier and having graphical content representing a collection of one or more media objects, wherein scanning the sheet results in creating the image.

12. (Original) The method defined in Claim 1 wherein the plurality of actions comprise two or more of a group consisting of printing, faxing, sending by electronic mail, deleting, grouping, ungrouping, and playing.

13. (Original) The method defined in Claim 1 wherein identifying at least one action set forth in the image comprises identifying a location of a mark in an action indication area on the image.

14. (Original) The method defined in Claim 1 wherein the at least one documents comprises a collection of documents.

15. (Original) The method defined in Claim 1 wherein the at least one document is part of a stored collection, and further wherein the collection overview comprises a collection coversheet.

16. (Original) The method of claim 15, wherein the collection overview comprises a plurality of thumbnail depictions of documents.

17. (Original) The method of claim 15, wherein the collection coversheet comprises a machine-readable collection identifier specifying a storage location for the collection, the method further comprising, prior to performing at least one action, retrieving the at least one document from the storage location.

18. (Original) The method of claim 1, wherein the collection overview comprises a list of documents.

19. (Original) The method of claim 1, wherein the collection overview comprises a plurality of thumbnail depictions of documents.

20. (Original) The method of claim 1, wherein the collection overview comprises a plurality of icons representing documents.

21. (Original) The method of claim 1, wherein the at least one action specifies a grouping action, and wherein the at least one document comprises

two or more documents, and wherein performing the at least one action comprises grouping the two or more documents.

22. (Original) The method of claim 20, wherein grouping the two or more documents comprises forming a sub-collection comprising the two or more documents.

23. (Original) The method of claim 1, wherein the at least one action comprises transmitting the at least one document to a destination, the method further comprising determining a destination.

24. (Original) The method of claim 23, wherein determining a destination comprises receiving user input specifying a destination.

25. (Original) The method of claim 23, wherein determining a destination comprises reading an indicator of a destination from the image.

26. (Original) The method of claim 25, wherein determining a destination comprises reading an indicator of a destination from an action indication area in the image.

27. (Original) The method of claim 26, wherein determining a destination comprises determining at least one selected from the group

consisting of an e-mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address.

28. (Original) The method of claim 1, wherein receiving the image of a document index comprises receiving an e-mail message containing the image of the document index.

29. (Previously Presented) The method of claim 1, wherein receiving the image of the overview of the collection comprises receiving a fax message containing an image of a document index.

30. (Original) The method of claim 1, further comprising determining the at least one action by performing optical character recognition on an action indication area.

31. (Original) The method of claim 8, wherein the machine readable identifier comprises an identifier specifying a storage location, and the method further comprising, prior to performing the at least one action, retrieving the at least one document from the storage location.

32. (Original) The method of claim 1, further comprising, prior to performing the at least one action, retrieving the at least one document from a storage device.

33. (Currently Amended) A computer-implemented method comprising:

scanning a coversheet having a document index to provide a document index image;

receiving [[a]] the document index image that includes an overview of a collection of documents that comprises a first plurality of check boxes associated with a plurality of documents, a machine readable pointer identifying the collection, and an action indication area that includes a second plurality of check boxes associated with a plurality of action, wherein the plurality of actions includes printing, faxing, sending by electronic mail, and grouping;

locating, on the document index image, at least two marked check boxes, wherein a first marked check box out of the first plurality of check boxes is associated with a document out of the plurality of documents and a second check box out of the second plurality of check boxes is associated with an action out of the plurality of actions;

identifying the action from the plurality of actions from the document index image for the second marked check box;

identifying the document from the plurality of documents for the first marked check box based on location of the first marked check box on the document index image, wherein the document is identified for the action identified from the plurality of actions from the document index image, wherein the action and the document are identified by scanning the coversheet having the document index image; and

performing the action on the document in response to the identifying the action and the document, wherein each of the action and the document is identified for each of the marked check boxes on the document index image.

34. (Currently Amended) ~~An article of manufacture comprising one or more recordable media~~ A computer readable storage medium having instructions stored thereon which, when executed by a computer, cause the computer to perform operations ~~a method~~ comprising:

scanning a coversheet having an overview of a collection;

receiving an image of ~~[[an]] the~~ overview of ~~[[a]] the~~ collection that comprises a first plurality of indication areas associated with a plurality of documents and a second plurality of indication areas associated with a plurality of actions, wherein the plurality of actions includes printing, faxing, sending by electronic mail, and grouping;

identifying at least one action from the plurality of actions set forth in the image;

identifying at least one document from the plurality of documents for the at least one action identified from the plurality of actions, wherein the identifying the at least one action is performed based on the second plurality of the indication areas in the image and the identifying the at least one document is performed based on the first plurality of the indication areas in the image, wherein the at least one action and the at least one document are identified by scanning the image; and

performing the at least one action on the at least one document in response to the identifying the at least one action from the fourth plurality of actions set forth in the image and the identifying the at least one document from the third plurality of document from the image.

35. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in claim 34 wherein identifying the at least one document comprises

identifying a location on the document index image of at least one indication area having a mark therein, the at least one indication area being associated with the at least one document; and

identifying the at least one document based on the location of the at least one indication area having the mark therein.

36. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 35 wherein the at least one indication area comprises one of a plurality of check boxes in the image, wherein each of the plurality of check boxes is associated with one of a plurality of graphics in the image, wherein each of the plurality of graphics is associated with one or more documents.

37. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein each of the at least one indication area comprises a check box.

38. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein the indication area is located on top of a portion of a graphic representing at least one document in a collection.

39. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 where identifying at least one document comprises obtaining information about a collection containing the at least one document using an RFID tag.

40. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein the method further comprises scanning a sheet having an identifier and having graphical content representing a collection of one or more media objects, wherein scanning the sheet results in creating the image.

41. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein the plurality of actions

comprise two or more of a group consisting of printing, faxing, sending by electronic mail, deleting, grouping, ungrouping, and playing.

42. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein identifying at least one action set forth in the image comprises identifying a location of a mark in an action indication area on the image.

43. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein the at least one documents comprises a collection of documents.

44. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 34 wherein the at least one document is part of a stored collection, and further wherein collection overview comprises a collection coversheet.

45. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium defined in Claim 44 wherein the collection coversheet comprises a collection overview.

46. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 45, wherein the collection overview comprises a plurality of thumbnail depictions of documents.

47. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 44, wherein the collection coversheet comprises a machine-readable collection identifier specifying a storage location for the collection, the method further comprising, prior to performing at least one action, retrieving the at least one document from the storage location.

48. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein the collection overview comprises a list of documents.

49. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein the collection overview comprises a plurality of thumbnail depictions of documents.

50. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein the collection overview comprises a plurality of icons representing documents.

51. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein the at least one action comprises transmitting the at least one document to a destination, the method further comprising determining a destination.

52. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 51 wherein determining a destination comprises receiving user input specifying a destination.

53. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 51, wherein determining a destination comprises reading an indicator of a destination from the image of the document index.

54. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 53, wherein determining a destination comprises reading an indicator of a destination from an action indication area in the image of the document index.

55. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 54, wherein determining a destination comprises determining at least one selected from the group consisting of an e-

mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address.

56. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein receiving an image of a collection overview comprises receiving an e-mail message comprising the image of the collection overview.

57. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein receiving an image of a collection overview comprises receiving a fax message comprising the image of the collection overview.

58. (Currently Amended)) ~~The article of manufacture~~ The computer readable storage medium of claim 34, further comprising determining the at least one action by performing optical character recognition on an action indication area.

59. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, wherein the document index comprises an identifier specifying a storage location, and the method further comprising, prior to performing the at least one action, retrieving the at least one document from the storage location.

60. (Currently Amended) ~~The article of manufacture~~ The computer readable storage medium of claim 34, further comprising, prior to performing the at least one action, retrieving the at least one document from a storage device.

61.(Currently Amended) A computer system for processing a stored document, comprising:

a document index input device including a scanner to scan a coversheet having a document index to provide ([,]) to receive an image of ([a]) the document index;

a marked check box locator, coupled to the document input index device, to identify at least one action from a plurality of actions set forth in the image by identifying a location of a mark in an action indication area on the image, wherein the plurality of actions includes printing, faxing, sending by electronic mail, and grouping, wherein the action indication area is associated with the plurality of actions, to identify a location on the document index image of at least one indication area having a mark therein, the at least one indication area being associated with at least one document out of a plurality of documents set forth in the image;

a document identifier, coupled to the marked check box locator, to identify the at least one document from the plurality of documents set forth in the image based on the location of the at least one indication area having the mark therein, wherein the at least one action and the at least one document are identified by scanning the image coversheet; and

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a document processor, coupled to the document identifier, to perform the at least one action identified from the plurality of action presented on the document index on the at least one document identified from the plurality of documents presented on the document index.

62. (Currently Amended) The computer system of claim 61 wherein each of the at least one indication area comprises a check box.

63. (Currently Amended) The computer system of claim 61 wherein the indication area is located on top of a portion of a graphic representing at least one document in a collection.

64. (Currently Amended) The computer system of claim 61 further comprising a scanner to scan a sheet having an identifier and having graphical content representing a collection of one or more media objects, wherein the scanner outputs the image.

65. (Cancelled)

66. (Currently Amended) The apparatus computer system defined in Claim 61 wherein the at least one documents comprises a collection of documents.

67. (Currently Amended) The ~~apparatus~~ computer system defined in Claim 61 wherein the at least one indication area comprises one of a plurality of check boxes in the image, wherein each of the plurality of check boxes is associated with one of a plurality of graphics in the image, wherein each of the plurality of graphics is associated with one or more documents.

68. (Currently Amended) The ~~apparatus~~ computer system defined in Claim 61 wherein the at least one document is part of a stored collection, and further wherein the index comprises a collection coversheet.

69. (Currently Amended) The ~~apparatus~~ computer system defined in Claim 68 wherein the collection coversheet comprises a collection overview.

70. (Currently Amended) The ~~apparatus~~ computer system of claim 69, wherein the collection overview comprises a plurality of thumbnail depictions of documents.

71. (Currently Amended) The ~~apparatus~~ computer system of claim 68, wherein the collection coversheet comprises a machine-readable collection identifier specifying a storage location for the collection, the method further comprising, prior to performing at least one action, retrieving the at least one document from the storage location.

72. (Currently Amended) The ~~apparatus~~ computer system of claim 61, wherein the document index comprises a plurality of representations of documents, and wherein the document locator identifies at least one document based on the location of the at least one indication area by identifying the at least one document corresponding to a document representation indicated by the mark in the at least one indication area overlapping a portion of at least one document image representation.

73. (Currently Amended) The ~~apparatus~~ computer system of claim 61, wherein the document index comprises a list of documents.

74. (Currently Amended) The ~~apparatus~~ computer system of claim 61, wherein the document index comprises a plurality of thumbnail depictions of documents.

75. (Currently Amended) The ~~apparatus~~ computer system of claim 61, wherein the document index comprises a plurality of icons representing documents.

76. (Currently Amended) The ~~apparatus~~ computer system of claim 61, wherein the at least one action comprises transmitting the at least one document to a destination, the method further comprising determining a destination.

77. (Currently Amended) The apparatus computer system of claim 61, wherein receiving an image of a document index comprises receiving an e-mail message comprising the image of the document index.

Allowable Subject Matter

The prior art made of record:

- | | | |
|--------------------|------------------|------------------|
| ➤ US 5,682,540 | Klotz, Jr. et al | Filed 12/08/1994 |
| ➤ US 20020080387A1 | Grasso, et al. | Filed 12/22/2000 |

❖ Claim(s) 1-64 and 66-77 are allowed:

The following is a statement of reasons for the indication of allowable subject matter:

Interpreting the claims in light of the specification, Examiner finds the claimed invention is patentably distinct from the prior art of record, which set forth in the followings:

- Klotz teaches a document surrogate; wherein the document surrogate includes check boxes. The document processing system will parse the machine readable code for the existence of selection boxes affixed on the surrogate document for the selected object, at

figures 4 and at column 13, Lines 40-65 and column 14 lines 30-37
and at the Abstract.

- Grasso teaches the coversheet; wherein the cover sheet includes check boxes for selecting predefine services, such as storing, copying, printing, publishing, deleting, add comments or rating, at figure 4 and at paragraphs 13 and 33.

Under the broadest reasonable interpretation of the claimed limitation which is consistence with the Applicant's Specification. The prior art cited above fails to teach all of the Applicant's claimed limitation. In particularly, the claimed invention advantageously provides a finer level of detail that enables scanning a coversheet having an overview of a collection contents thumbnails to represent documents and check boxes. The check boxes also specify actions to be performed on the target documents by scanning the marked coversheet to determine which specified actions are then performed on the target documents associates with plurality of actions [see figure 3 and the currently the above amended claims 1,12, 33-64 and 66-77 and at page 11 paragraph 33 and page 19 paragraph 53.]

The Examiner asserts that the claims overcome the prior art of record as describes above when the limitations are read in combination with the respective claimed limitations in their entirety.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is 571-272-8664. The examiner can normally be reached on Mon through Fri 8AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on (571)272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2176

/Quoc A. Tran/

Examiner, Art Unit 2176

/DOUG HUTTON/

Supervisory Patent Examiner, Art Unit 2176